

WHAT IS CLAIMED IS:

1. An LCD module with backlight including an upper glass substrate and a lower glass substrate, said LCD module comprising:

5 a plurality of first color layers formed upon the upper glass substrate and a plurality of first black matrixes formed in gaps between said first color layers;

an upper protective layer, covering said first color layers and said first black matrixes;

an upper conductive layer, covering said upper protective layer;

10 a plurality of thin film transistors formed on the lower glass substrate;

a plurality of second color layers formed upon said thin film transistors and a plurality of second black matrixes formed in gaps between said second color layers, wherein a color of each said second color layers is identical to a color of each corresponding said first color layers;

15 a lower protective layer, covering said second color layers and said second black matrixes;

a lower conductive layer, covering said lower protective layer; and

a liquid crystal material layer, positioned between said lower conductive layer and said upper conductive layer.

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2. The LCD module of claim 1, wherein said first color layers include red color layers, green color layers and blue color layers.

3. The LCD module of claim 1, wherein a thickness of said first color layers
25 is about 0.1 μm to 4.0 μm .

4. The LCD module of claim 1, wherein said second color layers include red color layers, green color layers and blue color layers.

5 5. The LCD module of claim 1, wherein at least one of said second color layers is selected from a group consisting of a red color layer, a green color layer and a blue color layer.

6. The LCD module of claim 1, wherein a thickness of said second color
10 layer is about 0.1 μm to 4.0 μm .

7. The LCD module of claim 1, wherein said first color layers and said second color layers are of an identical thickness.

15 8. The LCD module of claim 1, wherein said first color layers and said second color layers are of different thicknesses.

9. The LCD module of claim 1, wherein a layout pattern of said first color layers includes a strip pattern, a triangle pattern and an mosaic pattern.

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10. The LCD module of claim 1, wherein a layout pattern of said second color layers includes a strip pattern, a triangle pattern and an mosaic pattern.

11. An LCD module with backlight including an upper glass substrate and a lower glass substrate, said LCD module comprising:

a plurality of first color layers formed upon the upper glass substrate and a plurality of first black matrixes formed in gaps between said first color layers;

5 an upper protective layer, covering said first color layers and said first black matrixes;

an upper conductive layer, covering said upper protective layer;

a plurality of thin film transistors formed on the lower glass substrate;

a plurality of second color layers and compensatory layers formed upon
10 said thin film transistors and a plurality of second black matrixes formed in gaps between said second color layers, wherein a color of each said second color layers is identical to a color of each corresponding said first color layers;

a lower protective layer, covering said second color layers and said second black matrixes;

15 a lower conductive layer, covering said lower protective layer; and

a liquid crystal material layer, positioned between said lower conductive layer and said upper conductive layer.

12. The LCD module of claim 11, wherein said first color layers include red
20 color layers, green color layers and blue color layers.

13. The LCD module of claim 11, wherein a thickness of said first color layers is about 0.1 μm to 4.0 μm .

14. The LCD module of claim 11, wherein at least one of said second color layers is selected from a group consisting of a red color layer, a green color layer and a blue color layer.

5 15. The LCD module of claim 11, wherein a thickness of said second color layer is about 0.1 μm to 4.0 μm .

16. The LCD module of claim 11, wherein said first color layers and said second color layers are of an identical thickness.

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17. The LCD module of claim 11, wherein said first color layers and said second color layers are of different thicknesses.

18. The LCD module of claim 11, wherein a layout pattern of said first color
15 layers includes a strip pattern, a triangle pattern and an mosaic pattern.